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Maintenance



**PROCEDURES FOR HANDLING EMERGENCY
POWER UNIT (EPU) TEST SETS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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OPR: 89 LG/LGMD (MSgt Olson)

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This instruction established procedures to ensure that the Emergency Power Unit (EPU) test sets have been made safe for maintenance/calibration, and prevent inadvertent hydrazine exposure to personnel. This publication applies to personnel performing purging operations and/or maintenance/calibration on the EPU test set.

SUMMARY OF REVISIONS

1. Responsibilities:

1.1. 113th Maintenance Squadron (MXS) Electric/Environmental Shop, Fuel Shop, Test Measurement and Diagnostic Equipment (TMDE) section, and 89th Logistics Support Squadron (LSS) Precision Measurement Equipment Laboratory (PMEL) personnel are responsible for compliance with this instruction.

2. Procedures:

2.1. The 113 MXS Electric/Environmental Shop will deliver the EPU test set to the 113 MXS TMDE section. The test set will have an AFTO Form 350, **Repairable Item Processing Tag**, affixed to it stating "TEST SET REQUIRES PURGING AND FILTER CHANGE FOR PMEL CALIBRATION" in the discrepancy block. They will also provide a new filter to facilitate the purge. The TMDE monitor will then deliver the test set with an AFTO 350 tag and filter to the 113 MXS Fuels Shop for purging.

2.2. The 113 MXS Fuel Shop personnel will then safe the test set for maintenance/calibration by purging the test and hoses, changing the filter, and verifying the test set is safe for PMEL maintenance/calibration.

2.3. The fuel shop technicians will document the completed purge and filter change with an entry "PURGED AND FILTER CHANGED FOR PMEL" along with the technicians signature, man number, and date purged in the "Shop Use Only" block of the AFTO Form 350.

2.4. The fuel shop will then notify the 113 MXS TMDE monitor to let them know the item is ready for delivery to the 89 LSS Type II PMEL. The fuel shop will maintain control of the test set while it is in the fuel shop to prevent hydrazine contamination through unauthorized use.

2.5. Once the test sets have been received from the fuel shop, the 113 TMDE section will maintain strict control of the test set to prevent hydrazine contamination through unauthorized use. The test set will remain locked in a storage container until it is delivered to the 89 LSS Type II PMEL for calibration. If control of the test set is suspect or relinquished to anyone other than the 89 LSS TMDE flight, the 113 MXS TMDE section will ensure the completed purged AFTO Form 350 is removed, immediately destroyed, and a complete new purging cycle initiated.

2.6. Under no circumstances will the electric/environmental shop use the test set with the purged AFTO Form 350 still attached.

2.7. The TMDE monitor will deliver the EPU test set to the 89 LSS/PMEL. The 89 LSS/PMEL scheduler will verify the completeness of the AFTO 350 information and refuse the item if there's any evidence that the original information on the AFTO Form 350 has been modified. The 89 LSS/PMEL calibration technician will remove the purged AFTO Form 350 after the calibration is completed.

2.8. All PMEL shop personnel will receive annual hydrazine training and become familiar with emergency hydrazine response procedures. The 113 Fuels Shop will provide this training and will document it on AF Form 2426, **Training Request and Completion**. The 89 LSS training manager will then document the training on the employees' AF Form 55, **Employee Safety and Health Record**, and in the Core Automated Management System under Course Code 317.

2.9. Privately owned vehicles will not be used to transport hydrazine test sets.

3. Forms Prescribed. AFTO Form 350, AF Form 55 and AF Form 2426.

JAMES A. HAWKINS, Brigadier General, USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AF Form 55, **Employee Safety and Health Record**

AF Form 2426, **Training Request and Completion**

AFTO Form 350, **Repairable Item Processing Tag**

Abbreviations and Acronyms

EPU—Emergency Power Unit

LSS —Logistics Support Squadron

MXS—Maintenance Squadron

PMEL—Precision Measurement Equipment Laboratory

TMDE—Test Measurement Diagnostic Equipment